TETRA TECH

Christopher R. Burns
Project Manager

January 4, 2017

Mr. Andrew Maguire
On-Scene Coordinator
U.S. Environmental Protection Agency
Region 5, Emergency Response
77 W. Jackson Boulevard
Chicago, IL 60604

Subject: Final Removal Report for the TOCON Asbestos Removal Site
EPA Contract No. EP-S5-13-01
Technical Direction Document No. 0001/S05-0001-1607-008
Document Tracking No. 1409

Dear Mr. Maguire:

From August 16 to October 13, 2016, the U.S. Environmental Protection Agency (EPA) tasked Tetra Tech, Inc. (Tetra Tech), under Superfund Technical Assessment and Response Team (START) Contract No. EP-S5-13-01, to conduct oversight activities at the TOCON Asbestos Removal Site located in Goshen, Elkhart County, Indiana. Oversight included the following activities:

- Recording site conditions and removal activities through photographic documentation and in a site logbook;
- Collecting soil/backfill samples for characterization analysis;
- Monitoring and sampling air conditions along the perimeter of the site;
- Collecting samples from drums with unknown contents;
- Collecting surface water samples.

The attached draft removal report documents Tetra Tech's oversight and sampling activities. If you have any questions regarding this report, please call me at (312) 201-7719.

Sincerely,

Christopher R. Burns Jr.
Project Manager

cc: Kevin Scott, Tetra Tech START Program Manager
TDD File

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FINAL REMOVAL REPORT
FOR THE
TOCON ASBESTOS REMOVAL SITE
GOSHEN, ELKHART COUNTY, INDIANA

Prepared for

U.S. Environmental Protection Agency Region 5
77 W. Jackson Boulevard
Chicago, IL 60604

Submitted by

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Approved by:

John Dirgo
QA Officer

CONTENTS

1.0 INTRODUCTION

Under Technical Direction Document (TDD) 0001/S05-0001-1607-008, the U.S. Environmental Protection Agency (EPA) tasked the Tetra Tech, Inc. (Tetra Tech) Superfund Technical Assessment and Response Team (START) to assist the EPA On-Scene Coordinator (OSC) with oversight and documentation of asbestos removal activities at the TOCON Property Site, located at 1302 East Monroe Street, Goshen Indiana.

This removal report discusses the site description and site background in Section 2.0, describes removal activities in Section 3.0, discusses analytical results in section 4.0, and includes references in Section 5.0.

Site Figures 1 through 4 are provided in Appendix A; hazardous waste tables are provided in Appendix B; photographic documentation is provided as Appendix C; field notes recorded by START are provided in Appendix D; the Data Validation Report is provided in Appendix E; daily air monitoring sheets are provided as Appendix F; and information on environmentally preferred practices used by START during this TDD are included in Appendix G. Daily perimeter ambient air reports provided as Attachment A. EPA Pollution/Situation Reports (POLREP) were filed six times during the removal action, and the six reports are provided as Attachment B. Laboratory analytical reports are included in Attachment C.

2.0 BACKGROUND

This section describes the site location, provides a description of the site, and summarizes previous site activities and investigations.

2.1 SITE LOCATION AND DESCRIPTION

The TOCON Property Site is located at 1302 E. Monroe Street, Goshen, Indiana (Appendix A Figures 1 and 2). The geographic coordinates of the approximate center of the site are 41.579701° North latitude and 85.815263° West longitude. The site is located in a mixed residential and commercial area. The site is bounded to the north by train tracks and a commercial loading dock; to the east by farmland and residential areas; to the south by Egbert Avenue with residential properties beyond; and to the west by residential properties and a high school. All the original building structures were demolished prior to 2006. Piles of bricks, wood, metal, and other debris from demolition activities were present around the site. However, these piles were removed during this removal action.

2.2 SITE HISTORY

The site is the location of a former thermal systems manufacturing plant that was originally operated by Johnson Controls to manufacture heating systems, as well as for research and development. Prior to the buildings being demolished in 2006, the main plant building was utilized as an assembly plant for component equipment, tooling machinery, and stamping equipment. Figure 2 in Appendix A shows the footprints of the former buildings. The engineering building was formerly used as a research and development space for the Johnson Controls facility.

On January 29, 2016, KERAMIDA Inc. (KERAMIDA), conducted a visual inspection of the demolition debris located at the TOCON property. Observations from the visual inspection included: (1) demolition debris piles were present throughout the site; (2) debris piles were both above ground and below ground, filling basements and former loading docks; (3) the former loading docks were filled with demolition

debris to surface grade level; (4) several "air pockets" were observed on the east end of the area that previously contained the administrative office building; and (5) several pipes with intact insulation were observed in one "air pocket" (KERAMIDA 2016). The "air pockets" described in the KERAMIDA report was also noted when START inspected the debris on February 29, 2016, during a removal assessment of the TOCON property.

Based on the findings of the visual inspection, KERAMIDA remobilized to the site on February 1, 2016 to conduct an asbestos survey and inspection of the demolition debris piles. KERAMIDA collected 115 samples of suspected asbestos-containing materials from the debris piles and sent the samples for laboratory analysis. A total of 47 contained samples asbestos, classifying the sampled debris as "asbestos-containing material" (ACM) (KERAMIDA 2016).

On February 29, 2016, START performed the removal assessment, which consisted of a site reconnaissance, identification and collection of potential ACM samples, and written and photographic documentation of site features. START collected 19 samples from different debris material. Of the 19 samples, eight were found to contain asbestos, with concentrations ranging from 5-15 % chrysotile asbestos. Based on the results from the removal assessment, EPA filed an Action Memo authorizing a removal action at the TOCON property.

3.0 SITE ACTIVITIES

This section describes the removal activities conducted at the site and overseen by START; perimeter air monitoring conducted by START; and START's collection of air, soil, surface water, and drum samples.

3.1 REMOVAL OVERSIGHT

From August 16, 2016 through October 14, 2016, the Emergency and Rapid Response Service (ERRS) contractor, Environmental Restoration (ER) completed removal activities at the TOCON asbestos site. During this period, ER removed 5420.20 tons (214 truckloads) of regulated asbestos containing material (RACM), 606.37 tons of non-friable asbestos, 29.59 tons of municipal solid waste (MSW). The waste was transported to the Waste Management Prairie View disposal facility in Wyatt, Indiana. Additionally, 20,000 gallons of water, two drums of RACM, four drums of non-hazardous neutral liquids, five drums of flammable liquid, and 15 drums of flammable sludge (pile drums) were disposed of at Chemtron in Avon Ohio. This section provides a chronological summary of the removal activities completed by ER and overseen by START.

3.1.1 Site Preparation

August 16, 2016 through August 19, 2016 - ER prepped the site for removal by delineating the hot zone, contamination reduction zone, and support zone on the north side of the site where the black top met the concrete. ER removed all the polyethylene tarps that covered the debris piles, and removed overgrown vegetation that would interfere with the removal process. Once the piles were uncovered and the vegetation was removed, ER began preparing debris Pile 5 for removal. Figure 3 in Appendix A shows the locations of debris piles.

3.1.2 Debris Pile Excavation

ER consolidated the piles for load out using an excavator. To control dust while consolidating the piles, ER watered down the debris with fire hoses that were connected to the hydrant on the north side of the

site. All workers inside the hot zone were required to don level C personal protective equipment (PPE) as required by the ER health and Safety Plan.

August 22, 2016 through August 26, 2016 - Trucks for debris removal were mobilized to the site. Workers used water from the fire hose and a water truck to control dust emissions while working on site. Three trucks were in the rotation for direct loading of ACM debris. ER workers used scaffolding to enter trucks and line the truck beds with polyethylene liner before the trucks were loaded with debris. Trucks were not allowed to leave the hot zone until ER workers "burrito wrapped" the debris and sealed the liner on top of the debris. During the removal, the trucks had a turnaround time of approximately 3 hours. While trucks were in transit, excavators consolidated other piles for easier load out. Throughout the removal action, debris piles were constantly wetted down to prevent fugitive dust and asbestos emissions. On August 26, 2016, ER finished loading out Pile 5 and had begun consolidating Pile 4 for loading out.

August 29, 2016 through September 6, 2016 - On August 29 and 30, only two trucks were in the load out rotation. ER began load out from Pile 4 while also consolidating Pile 3 for removal. Once Pile 3 had been consolidated, trucks were loaded out simultaneously from Piles 3 and 4. On August 31, 2016, another truck was added to the rotation to speed up removal. During a site walk with START and EPA, ER uncovered orange tiles near Piles 1 and 3. ER workers manually popped the tiles up and placed them into the load out pile for removal. On September 1, 2016, ER started prep work with the excavator in Piles 1 and 2 by moving the debris to Pile 3 for easier load out.

September 7, 2016 through September 9, 2016 - ER continued to load out from Pile 4. Pile 3 was determined to be the best place to consolidate the remaining debris. Pile 3 was located was closest to the entrance to the hot zone and had sufficient space for trucks to turn around. On September 8, 2016, ER had a small excavator with a jack hammer attachment delivered to the site. This equipment was used to break up concrete to gain access to the debris in the basement of Pile 2. While one excavator was loading out trucks, a second excavator was used to dig test pits in Pile 9. This pile contained excess soil that could be used to backfill other excavated areas of the site. The OSC and ER wanted to check Pile 9 for ACM and other debris before using the soil as backfill. While excavating soil Pile 9, ER uncovered a 55-gallon drum with a paint label on it. All excavation of Pile 9 stopped until START monitored the air around the drum with a MultiRAE Pro to evaluate potential hazards and collected a sample of the drum. Although the drum was crushed, the drum contents were mostly solid and there was no evidence of any leakage. After START collected the sample, ER workers wrapped the drum in polyethylene sheeting before placing it back into the hole, later moving the drum to a staging area. The sample was brought to ER for hazard categorization (HazCat) and then sent off site to Microbac Laboratory for analysis.

September 12, 2016 - Two trucks were in the rotation for the day. ER excavated the loading dock that was near Pile 5. Once the debris was placed into the load out pile, ER began breaking up the concrete from Pile 2 and placing the rubble into the loading dock excavation. START collected a sample from the Pile 9 (TPA-Pile9-091216) soil mound to verify that the soil was usable for backfill.

September 13, 2016 through September 23, 2016 - During this time period, three trucks were in rotation. ER consolidated the debris from the basement of Pile 1 into the load out pile. While trucks were in transit, the second operator broke up the concrete using the small excavator with the jack hammer attachment. On September 14, 2016, ER loaded a scrap metal truck and disposed of all the rebar that had been removed from Pile 2 basement area. ER consolidated the piles cleaned up any debris that might have been dropped into basement structures during removal. During a progress walk through on September 14, 2016, START documented a pipe chase that bordered the concrete slab in Pile 2. The chase was not exposed but had several linear feet of air cell pipe insulation that was in poor condition.

On September 22, 2016, a Goshen city storm water representative was on site and requested that ER use cement to seal sewer tops before the demobilizing from the site.

September 26, 2016 - ER focused on removing debris from the Pile 6 basement so this area could be quickly backfilled with soil from Pile 9. After the debris, had been removed from the Pile 6 basement, ER and START inspected the area from above ground. No suspect ACM was observed, and ER backfilled Pile 6 basement with soil. While ER excavated the Pile 9 soil, three additional identical looking drums were found. ER wrapped the drums in polyethylene and staged the drums in a secure area.

September 27, 2016 - ER removed debris from a pit located in the center of the site (close to Pile 6). The pit contained a mixture of water and debris. ER drained most the water from the pit before moving the debris to the load out pile. ER continued to excavate Pile 9 and workers cut off the ends of exposed rebar in Pile 2. ER also broke up the concrete pipe chase that was discovered on September 14.

September 28, 2016 through September 30, 2016 - Two trucks were in rotation for the rest of removal. ER finished work on the concrete slab on the north side of Pile 2 and moved on to the pipe chase that surrounded the perimeter of the slab. The EPA OSC requested that ER bag each section of the pipe that was removed and place the bagged material in a truck to be removed that same day. On September 29, 2016, ER finished removal of the pipe chase pipe insulation in Pile 2. ER used soil from Pile 9 to backfill locations that had been inspected for suspect ACM by START.

October 3, 2016 through October 5, 2016 - ER removed the rest of the rebar that was exposed during concrete removal in Pile 2. ER also overpacked all drums that had been found in Pile 9 for load out. On October 4, the last debris truck left the site, and any remaining small debris was loaded out drums. While trucks were in transit, ER distributed soil from Pile 9 throughout the basements and pits. After each load was deposited, ER used an excavator and skid-steer loader to smooth, evenly distribute, and compact the soil before the next load arrived. During a walk through on October 5, 2016, START noticed black mastic on the slab of Pile 2 and 9-inch x 9-inch floor tile and mastic near the stairs of Pile 2. Each area was approximately 6 feet square. ER broke up both areas using the small excavator and placed the material in a lined metal drum for disposal. ER also cemented all storm drain covers as requested by the Goshen city official on September 22. ER continued decontaminating equipment for demobilization from the site

October 6, 2016 through October 7, 2016 - ER moved the scrap concrete from the loading dock next to Pile 5 to the basement of Pile 1 and covered the concrete with soil to grade level. ER decontaminated and demobilized some equipment. During a site inspection, START found three small pits approximately 5 feet square in area and 3 feet deep. The pits contained debris, were located near the hot zone delineation line, and had been missed during the removal. After further inspection, START and EPA determined that the pits contained general debris and could be loaded out with the last of the general debris from Pile 7. The ER excavator crushed the general debris in Pile 7 for easier load out. ER continued using water to suppress dust during backfilling and debris compaction. On October 7, 2016, all soil from Pile 9 had been distributed to the basements of the site, and ER leveled the surface in the area where Pile 9 was located.

October 11, 2016, through October 14, 2016 - One truck was in transit for removal of general debris from Pile 7. ER used a three-truck rotation to transfer recycled concrete to the site for backfill; the recycled concrete was used to fill various basements and pits on site. The water truck was on site to remove waste water from the central pit for transport to the Chemtron waste facility Avon Ohio. On October 14, 2016, ER demobilized all personnel and equipment, and START also demobilized from the site.

October 21, 2016 - EPA and ER removed all drums from the site. The drums included 15 flammable solid sludge drums, four neutral liquid drums, five flammable liquid drums, and three asbestos drums. All drums were sent to the Chemtron waste facility in Avon Ohio. ER completed demobilization.

3.2 REAL-TIME AIR MONITORING

START used three TSI® DustTrak DRX units and a TSI® SidePak AM 510 particulate air monitoring unit to assess the ambient air conditions along the perimeter of the site. The purpose of real-time air monitoring was to measure the particulate levels in the air during removal activities and ensure that fugitive emissions did not migrate off-site. When particulate levels exceeded the alarm level of 0.1 milligram per cubic meter (mg/m^3), START used the SidePak AM 510 to assess potential cause off the alarm. If the alarm was possibly due to inadequate dust suppression, ER was immediately notified to take corrective action. Most exceedances, however, were not due to activities on the site but were caused by vehicle traffic on the road next to the site. START also observed several spikes in particulate levels that were unrelated to site activities. These spikes were observed during times with low wind speeds and while no activities were occurring on site. These random spikes were later attributed to errors within the EPA VIPER wireless telemetry software. Daily air monitoring locations can be found on Figure 4 in Appendix A and air monitoring reports can be found in Attachment A.

Additionally, START used air monitoring data to determine which air samples to send for off-site laboratory analysis.

3.3 MULTIMEDIA SAMPLE COLLECTION

During the removal activities, START collected 135 perimeter air samples, one composite backfill sample, one composite soil sample, one surface water sample, and one drum sample. Sections 3.3.1 through 3.3.4 provide greater detail on each of these sampling activities.

3.3.1 Perimeter Air Sampling

Weather permitting, ambient air sampling was conducted throughout the course of the removal. The sample locations (Figure 4) consisted of two upwind, one downwind, and one at the START office trailer.

Each work day lasted 10 hours. Therefore, after considering the time required to calibrate, deploy, shutdown, and re-calibrate the air sampling pumps and cassettes, the total daily air sampling time was approximately 9 hours (540 minutes). During this sampling time, START collected approximately 4,000-5,000 liters of air, at an average flow rate of 10 liters per minute (L/min) for the high-flow samples.

Attached to each air pump was a 25-millimeter (mm)-diameter, 0.8-micron (µm) mixed cellulose ester membrane (MCE) filter cassette mounted on a 4- to 5-foot-tall cassette tripod stand. The inlet cap of the filter cassette was removed during sampling (so that the cassette was open-faced); and the cassette was positioned at a 45 degree angle and facing into the wind.

The flow rate of each air sampling train was measured before and after sample collection using a Bios Defender 510 primary flow meter.

All the high-flow air samples collected during the first 14 days of removal activity, including a field blank and lab blank, were shipped to EMSL Laboratories (EMSL), in Minneapolis Minnesota, for analysis. Each sample was analyzed by National Institute for Occupational Safety and Health (NIOSH) Method 7400 (phase contrast microscopy-PCM) and NIOSH Method 7402 (transmission electron microscopy-TEM). During the project, none of the high-flow air samples were found to be overloaded.

After the first 14 days of removal activities, the selection of these samples for analysis was based on three different parameters: the highest average particulate results for each day based on air monitoring results; amount of precipitation; and the average wind speed. This information was recorded daily in the perimeter air sampling sheets (Appendix F). Each week, four samples, in addition to a field blank and lab blank, were chosen using the parameters above.

The selected samples were analyzed by NIOSH Method 7400 (PCM). If the results of the PCM analysis were greater than or equal to 0.005 fibers per cubic centimeter (fibers/cc), then NIOSH Method 7402 (TEM) was also completed on the sample to assess for asbestos fibers.

Section 4.1 of this report discusses the perimeter air sample results. Appendix B, Table 1 provides the following information on each perimeter air sample: Sample ID, collection date, sample location, fibers per cubic centimeter (PCM analysis), fibers per cubic centimeter (TEM analysis), and percentage of asbestos fibers (TEM analysis).

3.3.2 Soil Sampling

On September 12, 2016, START collected a five-point composite soil sample from the Pile 9 soil pile located on the southeast side of the Tocon Property Asbestos site. The soil sample (TPA-Pile-9-091216) was analyzed by CT Laboratory in Baraboo, Wisconsin, for herbicides, metals, polychlorinated biphenyl (PCBs), pesticides, semivolatile organic compounds (SVOCs), and volatile organic compounds (VOCs).

On September 22, 2016 START collected a five-point composite sample from the backfill material (crushed cement) at Mishawaka Concrete/Asphalt Recycling Inc. located at 705 S. Beiger St. Mishawaka, Indiana. The backfill sample (TPA-BACKFILL-092216) was analyzed by CT for RCRA metals, PCBs, and asbestos before the material could be used on site.

Section 4.2 of this report discuses soil/backfill sample results and Tables 2 and 3 in Appendix B provides the following information on each of the soil samples: sample ID, collection date, matrix, location, action level, and analytical results.

3.3.3 Water Sampling

On September 19, 2016, START collected one surface water sample from the pit (Pile 10) in the center of the site. The sample (TPA-Pile 6-091916) was analyzed for VOCs, SVOCs total metals, pesticides, herbicides, and PCBs.

Section 4.3 of this report discuses water sample results and Table 4 in Appendix B provides results for analytes detected in the water sample. Appendix E provides the data validation for sample TPA-Pile6-091916.

3.3.4 Drum Sampling

On September 8, 2016, START sampled a drum that was uncovered during excavation in Pile 9. START sampled the drum using plastic scoops and placed the contents in an 8-ounce glass jar. ER preformed a simple hazard categorization analysis (Hazcat) to determine the disposal waste stream for the drum contents. The sample of waste (1234NL) was also sent for off-site laboratory analysis to confirm the Hazcat results and determine a waste profile.

Section 4.4 of this report discuses waste sample results and Table 5 in Appendix B provides the results for analytes detected in the waste sample.

3.4 SAMPLE HANDLING PROCEDURES

Samples were handled and packaged in accordance with Tetra Tech's Quality Assurance Project Plan (Tetra Tech 2016) for START. All shipping containers were delivered with signed chains-of-custody forms.

4.0 ANALYTICAL RESULTS

This section discusses the analytical results of the perimeter air samples, soil and backfill samples, and the water and drum samples. START collected one drum sample split into a solid (1234NL) and aqueous sample (5678FL) (September 8, 2016), one soil sample (September 12, 2016), one surface water sample (September 19, 2016), one backfill sample (September 22, 2016). All laboratory analytical results are located in Attachment C.

4.1 PERIMETER AIR SAMPLING RESULTS

Air samples from the first 14 days of removal were analyzed for both NIOSH Methods 7400 (PCM) and 7402 (TEM) (Table 1 Appendix B) by EMSL Lab in Minneapolis Minnesota. For the remaining sample days, the high-flow air samples collected from September 12, 2016 through September 26, 2016 were analyzed by NIOSH Method 7400 (PCM) unless the results were greater or equal to 0.005 f/cc; then EMSL would proceed with analysis by NIOSH Method 7402 (TEM).

None of the samples that were analyzed by EMSL showed any asbestos fibers detected. The laboratory reports are provided in Attachment C.

4.2 SOIL AND BACKFILL SAMPLE RESULTS

On September 12, 2016 and on September 22, 2016, one soil sample was collected from Pile 9 and one recycled backfill sample collected off site at Mishawaka Concrete/Asphalt Recycling Inc. The soil sample from Pile 9 had measureable concentrations of herbicides, VOCs, SVOCs, and metals. However, all concentrations were below the Indiana Department of Environmental Management Office of Land Quality (IDEM OLQ) 2016 direct contact screening levels for commercial/industrial soil. The recycled concrete sample had measurable concentrations of PCBs and metals, but all concentrations were below the IDEM OLQ screening levels. No asbestos fibers were found in the recycled concrete sample. Sample results can be found in Table 2 and 3 in Appendix B.

4.3 SURFACE WATER SAMPLE RESULTS

On September 19, 2016, START collected one surface water sample from the standing water in the pit (basement) of Pile 6. No elevated levels of PCBs were found above the IDEM Industrial RISC. However, because trace amounts of PCB's were detected, the water was disposed of at Chemtron, Avon Ohio. The sample also contained detectable concentrations of several metals, VOCs, and SVOCs. The sample results can be found in Table 4 in Appendix B. A copy of the data validation results and laboratory results can be found in Appendix E and Attachment C respectfully.

4.4 DRUM SAMPLING RESULTS

On September 8, 2016, START collected one drum sample split into a solid (1234NL) and aqueous sample (5678FL). ER sent the sample to Microbac Laboratories in Merrillville, Indiana for hazardous waste analysis. The Hazcat done on site by ER revealed that the unknown substance was flammable and had a pH of 6.75. This sample was used to represent all fifteen drums that were discovered in Pile 9. The drums in Pile 9 were disposed of as ignitable wastes at Chemtron, Avon Ohio.

5.0 REMOVAL SUMMARY

From August 16, 2016 through October 14, 2016, EPA, START, and ER conducted a removal action at the TOCON Property Site in Goshen, Elkhart County, Indiana. From August 22, through October 14, 2016, START conducted daily perimeter air monitoring for particulates and collected 118 ambient air samples for analysis of asbestos fibers. No asbestos fibers were detected in any of the air samples. START also collected samples of surface water from a debris pit and a 55-gallon drum. Based on sample results, the water and drums were removed from the site and disposed of at Chemtron waste facility in Avon, Ohio. START also collected samples from an on-site soil pile and an off-site source of recycled concrete. Sample results confirmed that both materials could be used on site to backfill pits and basements.

During the removal action, the EPA ERRS contractor, ER removed 5,837.7 tons (214 truckloads) of asbestos-containing debris. ER also conducted public safety activities by backfilling pits or basements and capping storm drains with concrete. The removal action was a successfully completed by removing all ACM debris and abandoned drums that were found on site.

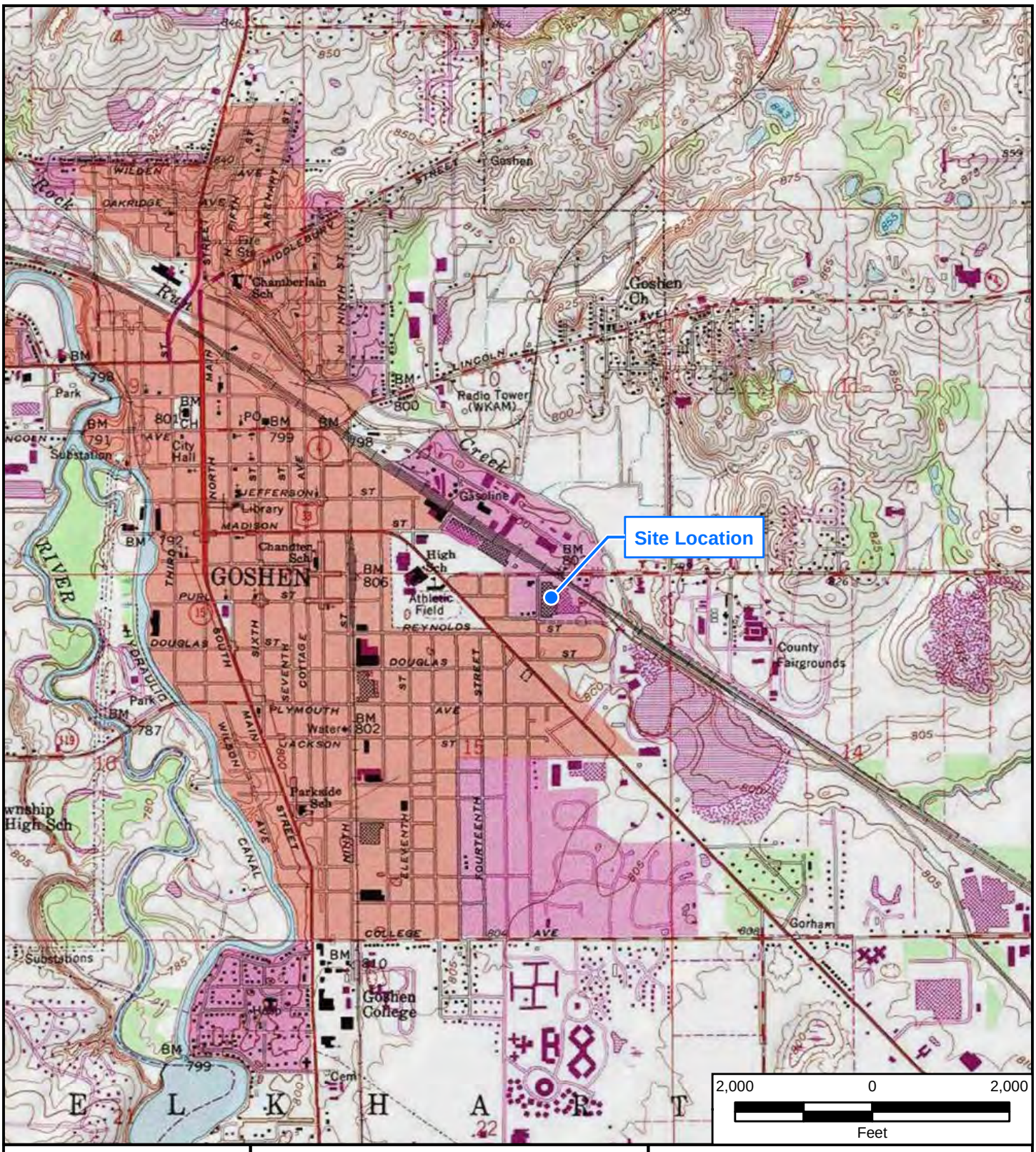
REFERENCES

KERAMIDA Inc. 2016. Asbestos Inspection TOCON Property, 1302 East Monroe Street Goshen, Indiana, KERAMIDA Project No. 15780. Submitted to Taft Stettinius & Hollister LLP. February.

Tetra Tech Inc. 2016. "Quality Assurance Project Plan" Prepared for EPA under Contract No. EP-S5-13-01. June 2016.

APPENDIX A

SITE FIGURES



Reference Map

Source: USGS 7.5-Minute Topographic Quadrangle Map: Goshen, IN 1981

TOCON Property Asbestos
1302 E Monroe Street
Goshen, Elkhart County, Indiana

Figure 1
Site Location Map

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Prepared For: EPA

Prepared By: Tetra Tech Inc.

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Date Saved: 2/17/2016

EPA Contract No.: EP-S5-13-01 TDD No.: S05-0001-1602-002

Coordinate System: GCS WGS 1984
Datum: WGS 1984
Units: Degree

Reference Map

Legend

- Former Building Footprint
- Approximate Site Boundary

Source: Bing Maps Road 2013

100 0 100
Feet

TOCON Property Asbestos
1302 E Monroe Street
Goshen, Elkhart County, Indiana

Figure 2
Site Layout Map

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Prepared For: EPA

Prepared By: Tetra Tech Inc.

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EPA Contract No.: EP-S5-13-01

TDD No.: S05-0001-1602-002

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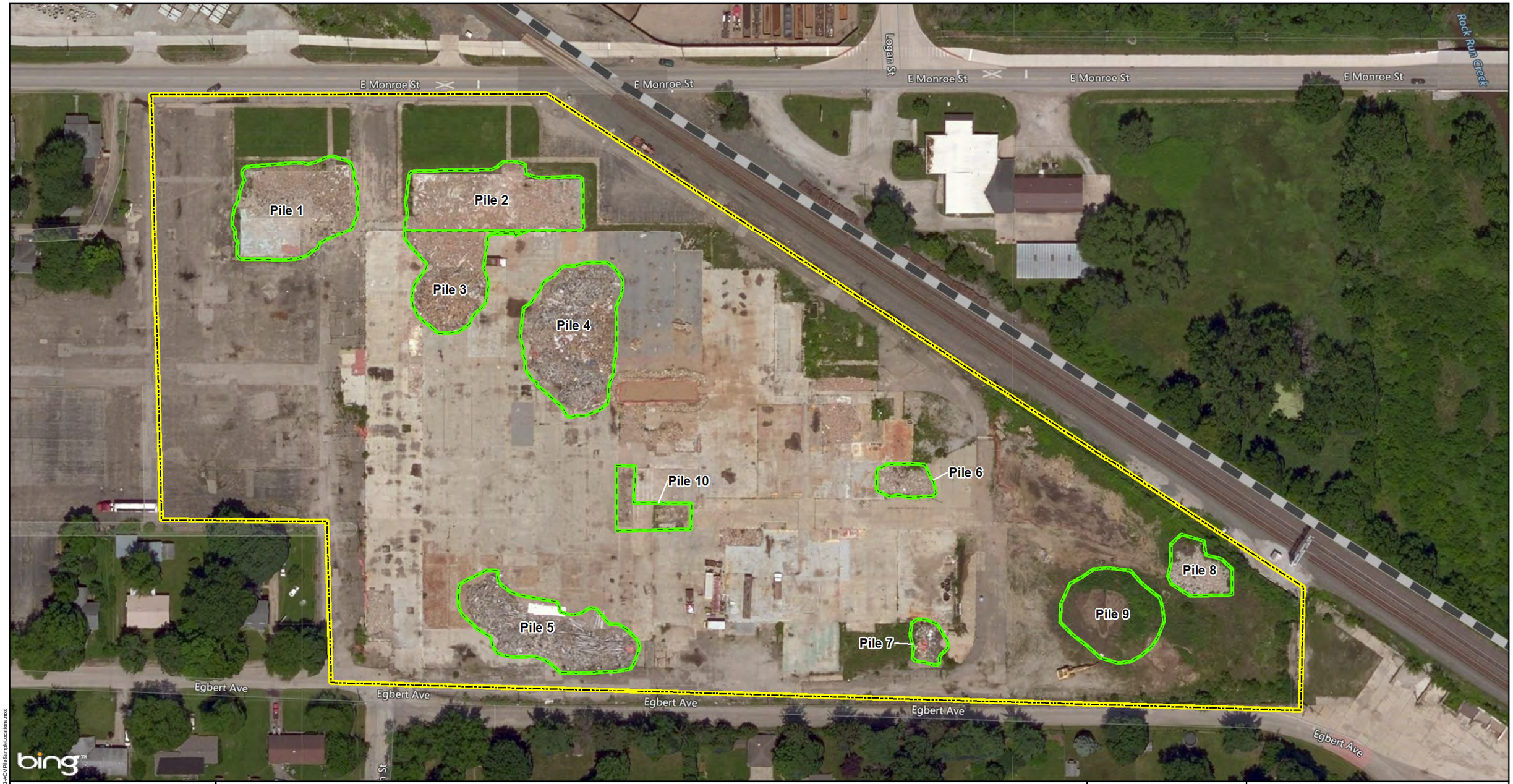

Reference Map

Legend

- Approximate Site Boundary
- ACM Piles

Source: Bing Maps Hybrid (2011-2012)

N

0 50 100

Feet

TOCON Property Asbestos
1302 E. Monroe Street
Goshen, Elkhart County, Indiana

Figure 3
ACM Pile Location Map

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Prepared For: EPA | Prepared By: Tetra Tech, Inc.

File Path: G:\GIS\2016-ST4RT IV\Indiana\TOCON\mxd\2016-09\Fig3-ACMPileSampleLocations.mxd

Date Saved: 12/13/2016

EPA Contract No.: EP-S5-13-01

TDD No.: S05-0001-1607-008

APPENDIX B

TABLES

ANALYTICAL RESULTS

PERIMETER AIR SAMPLES

Table 1: Asbestos Air Monitoring Results
Action Level >.01 Fibers/cc

Sample Number	Site Location	Date Collected	Analytical Method Result - PCM (fibers/cc)	Analytical Method Result - TEM (fibers/cc)	Total Asbestos %
TPA-W2-001-082216	W2	08/22/16	< 0.001	< 0.001	0
TPA-N2-002-082216	N2	08/22/16	< 0.001	< 0.001	0
TPA-N1-003-082216	N1	08/22/16	< 0.001	< 0.001	0
TPA-S3-004-082216	S3	08/22/16	< 0.001	< 0.001	0
TPA-W2-007-082316	W2	08/23/16	< 0.001	< 0.001	0
TPA-S2-008-082316	S2	08/23/16	< 0.001	< 0.001	0
TPA-N2-008-082316	N2	08/23/16	< 0.001	< 0.001	0
TPA-N1-009-082316	N1	08/23/16	< 0.0005	< 0.001	0
TPA-N2-013-082416	N2	08/24/16	< 0.001	< 0.001	0
TPA-SW-014-082416	SW	08/24/16	< 0.001	< 0.001	0
TPA-N2-016-082516	N2	08/25/16	< 0.001	< 0.001	0
TPA-N1-017-082516	N1	08/25/16	< 0.001	< 0.001	0
TPA-NE-018-082516	NE	08/25/16	< 0.001	< 0.001	0
TPA-W2-019-082516	W2	08/25/16	< 0.001	< 0.001	0
TPA-SW-021-082616	SW	08/26/16	< 0.001	< 0.001	0
TPA-N1-022-082616	N1	08/26/16	< 0.001	< 0.001	0
TPA-W2-023-082616	W2	08/26/16	< 0.001	< 0.001	0
TPA-S1-024-082616	S1	08/26/16	< 0.001	< 0.001	0

PERIMETER AIR SAMPLES

Asbestos Air Monitoring Results
Action Level >.01 Fibers/cc

Sample Number	Site Location	Date Collected	Analytical Method Result - PCM (fibers/cc)	Analytical Method Result - TEM (fibers/cc)	Total Asbestos %
TPA-W2-026-082916	W2	08/29/16	<0.001	<0.001	0
TPA-W1-027-082916	W1	08/29/16	<0.001	<0.001	0
TPA-SW-028-082916	SW	08/29/16	<0.001	<0.001	0
TPA-N1-029-082916	N1	08/29/16	<0.001	<0.001	0
TPA-SW-031-082916	SW	08/29/16	<0.001	<0.001	0
TPA-W1-032-083016	W1	08/30/16	<0.001	<0.001	0
TPA-N1-033-083016	N1	08/30/16	<0.001	<0.001	0
TPA-W2-034-083016	W2	08/30/16	<0.001	<0.001	0
TPA-N2-036-083116	N2	08/30/16	<0.001	<0.001	0
TPA-W2-037-083116	W2	08/31/16	<0.001	<0.001	0
TPA-S2-038-083116	S2	08/31/16	DAMAGED	DAMAGED	0
TPA-SW-039-083116	SW	08/31/16	<0.001	<0.001	0
TPA-N2-041-090116	N2	08/31/16	0.001	<0.001	0
TPA-W2-042-090116	W2	09/01/16	0.001	<0.001	0
TPA-S2-043-090116	S2	09/01/16	0.001	<0.001	0
TPA-SW-044-090116	SW	09/01/16	<0.001	<0.001	0
TPA-N2-046-090216	N2	09/01/16	<0.001	<0.001	0
TPA-W2-047-090216	W2	09/02/16	<0.001	<0.001	0
TPA-S2-048-090216	S2	09/02/16	<0.001	<0.001	0
TPA-SW-049-090216	SW	09/02/16	<0.001	<0.001	0

PERIMETER AIR SAMPLES

Asbestos Air Monitoring Results
Action Level >.01 Fibers/cc

Sample Number	Site Location	Date Collected	Analytical Method Result - PCM (fibers/cc)	Analytical Method Result - TEM (fibers/cc)	Total Asbestos %
TPA-N2-051-090616	N2	09/06/16	<0.001	<0.001	0
TPA-S2-052-090616	S2	09/06/16	<0.001	<0.001	0
TPA-SW-053-090616	SW	09/06/16	<0.001	<0.001	0
TPA-W2-054-090616	W2	09/06/16	<0.001	<0.001	0
TPA-N2-056-090716	N2	09/07/16	.002	<0.001	0
TPA-S2-057-090716	S2	09/07/16	0.001	<0.001	0
TPA-SW-058-090716	SW	09/07/16	0.001	<0.005	0
TPA-W2-059-090716	W2	09/07/16	0.001	<0.005	0
TPA-N2-061-090916	N2	09/09/16	0.001	<0.005	0
TPA-S2-062-090916	S2	09/09/16	0.001	<0.001	0
TPA-SW-063-090916	SW	09/09/16	0.005	<0.005	0
TPA-W2-064-090616	W2	09/09/16	0.001	<0.001	0

PERIMETER AIR SAMPLES

Asbestos Air Monitoring Results
Action Level >.01 Fibers/cc

Sample Number	Site Location	Date Collected	Analytical Method Result - PCM (fibers/cc)	Analytical Method Result - TEM (fibers/cc)	Total Asbestos %
TPA-N2-066-091216	N2	09/12/16	<0.0005	<0.001	0
TPA-S1-067-091216	S1	09/12/16	<0.0005	<0.001	0
TPA-SW-068-091216	SW	09/12/16	<0.0005	<0.001	0
TPA-W2-069-091216	W2	09/12/16	<0.0005	<0.001	0
TPA-N2-071-091316	N2	09/13/16	<0.0005	<0.001	0
TPA-S1-072-091316	S1	09/13/16	<0.001	<0.001	0
TPA-SW-073-091316	SW	09/13/16	0.001	<0.001	0
TPA-W2-074-091316	W2	09/13/16	<0.0005	<0.001	0
TPA-N2-076-091416	N2	09/14/16	<0.001	<0.001	0
TPA-S1-077-091416	S1	09/14/16	<0.001	<0.001	0
TPA-SW-078-091416	SW	09/14/16	<0.001	<0.001	0
TPA-W2-079-091416	W2	09/14/16	<0.001	<0.001	0
TPA-N2-081-091516	N2	09/15/16	<0.001	<0.001	0
TPA-S1-082-091516	S1	09/15/16	<0.001	<0.001	0
TPA-SW-083-091516	SW	09/15/16	<0.001	<0.001	0
TPA-W2-084-091516	W2	09/15/16	<0.001	<0.001	0
TPA-N2-086-091616	N2	09/16/16	<0.001	<0.001	0
TPA-S1-087-091616	S1	09/16/16	<0.001	<0.001	0
TPA-SW-088-091616	SW	09/16/16	<0.001	<0.001	0
TPA-W2-089-091616	W2	09/16/16	<0.001	<0.001	0

PERIMETER AIR SAMPLES

Asbestos Air Monitoring Results
Action Level >.01 Fibers/cc

Sample Number	Site Location	Date Collected	Analytical Method Result - PCM (fibers/cc)	Analytical Method Result - TEM (fibers/cc)	Total Asbestos %
TPA-N2-091-091916	N2	09/19/16	<0.0005	<0.001	0
TPA-N1-092-091916	N1	09/19/16	<0.0005	<0.001	0
TPA-N2-094-092016	N2	09/20/16	0.001	0.001	0
TPA-N1-095-092016	N1	09/20/16	0.001	0.001	0
TPA-SW-096-092016	SW	09/20/16	0.001	0.001	0
TPA-W2-097-092016	W2	09/20/16	0.001	0.001	0
TPA-N1-099-092116	N1	09/21/16	<0.0005	0.001	0
TPA-N2-0100-092116	N2	09/21/16	<0.001	0.001	0
TPA-W1-0101-092116	W1	09/21/16	<0.0005	0.001	0
TPA-W2-0102-092116	W2	09/21/16	<0.001	<0.001	0
TPA-N1-104-092216	N1	09/22/16	<0.0005	<0.001	0
TPA-NE-105-092216	NE	09/22/16	0.001	<0.001	0
TPA-W1-106-092216	W1	09/22/16	0.001	<0.001	0
TPA-W2-107-092216	W2	09/22/16	<0.001	<0.001	0
TPA-S1-108-092316	N2	09/16/16	<0.001	<0.001	0
TPA-S2-109-092316	S2	09/16/16	<0.001	<0.001	0
TPA-SW-110-092616	SW	09/16/16	<0.001	<0.001	0
TPA-N1-115-092616	N1	09/26/16	<0.001	<0.001	0
TPA-NE-116-092616	NE	09/26/16	<0.001	<0.001	0
TPA-W1-117-092616	W1	09/26/16	<0.001	<0.001	0
TPA-NE-W2-092616	NE	09/26/16	<0.001	<0.001	0

ANALYTICAL RESULTS

SOIL SAMPLING

TABLE 2

DETECTIONS IN SOIL SAMPLE TPA-PILE9-091216				IDEM OLQ 2016 Screening levels	
Test Description	Analyte	result	Result_units	IDEM OLQ 2016 Screening levels	units
MERCURY BY CVAA	Mercury	0.025	mg/Kg	3.1	Mg/Kg
METALS	Aluminum	9500	mg/Kg	100000	Mg/Kg
	Arsenic	6.7	mg/Kg	920	Mg/Kg
	Barium	54	mg/Kg	100000	Mg/Kg
	Beryllium	0.36	mg/Kg	2300	Mg/Kg
	Calcium	44000	mg/Kg	NA	Mg/Kg
	Chromium	16	mg/Kg	100000	Mg/Kg
	Cobalt	10	mg/Kg	350	Mg/Kg
	Copper	12	mg/Kg	47000	Mg/Kg
	Iron	16000	mg/Kg	100000	Mg/Kg
	Lead	8.4	mg/Kg	800	Mg/Kg
	Magnesium	12000	mg/Kg	NA	Mg/Kg
	Manganese	430	mg/Kg	26000	Mg/Kg
	Nickel	22	mg/Kg	NA	Mg/Kg
	Potassium	1500	mg/Kg	NA	Mg/Kg
	Sodium	77	mg/Kg	35000	Mg/Kg
	Vanadium	20	mg/Kg	5800	Mg/Kg
	Zinc	44	mg/Kg	100000	Mg/Kg
SVOC	Fluoranthene	20	ug/Kg	30000	Mg/Kg
	Pyrene	21	ug/Kg	23000	Mg/Kg
	2,4,6-Tribromophenol	2900	ug/Kg	NA	Mg/Kg
	2-Fluorobiphenyl	2900	ug/Kg	NA	Mg/Kg
	2-Fluorophenol	3100	ug/Kg	NA	Mg/Kg

	Nitrobenzene-d5	2900	ug/Kg	NA	Mg/Kg
	4-Bromofluorobenzene	1200	ug/Kg-dry	NA	Mg/Kg
	Dibromofluoromethane	1200	ug/Kg-dry	NA	Mg/Kg
moisture	Moisture	11	% of sample		Mg/Kg

Notes

IDEM OLQ Indiana Department of Environmental Management Office of Land Quality Direct Contact Screening Levels for Industrial/Commercial Soil

TABLE 3

DETECTIONS IN BACKFILL SAMPLE (Recycled Cement)				IDEM OLQ 2016 Screening Levels	
Test Description	Analyte	result	Result_units		units
PCB'S	Aroclor 1254	170	µg/Kg-dry	9.7	mg/kg
MERCURY BY CVAA	Mercury	1.3	µg/Kg-dry	3.1	mg/kg
METALS BY ICP	Arsenic	4.1	µg/Kg-dry	30	mg/kg
	Barium	58	µg/Kg-dry	100000	mg/kg
	Cadmium	0.24	µg/Kg-dry	980	mg/kg
	Chromium	11	µg/Kg-dry	NA	mg/kg
	Lead	17	µg/Kg-dry	800	mg/kg

Notes

IDEM OLQ Indiana Department of Environmental Management Office of Land Quality
Direct Contact Screening Levels for Industerial/Commercial Soil

ANALYTICAL RESULTS

SURFACE WATER SAMPLING

TABLE 4

DETECTIONS IN SURFACE WATER SAMPLE TPA-PILE6-091916

Test Description	Analyte	Result	Result_units	Data Qualifier
PCB'S	Aroclor 1242	4.3	µg/L	J+
	Aroclor 1254	1.5	µg/L	J+
Mercury by CVAA	Mercury	0.00069	mg/L	
Metals	Aluminum	2.3	mg/L	
	Antimony	0.028	mg/L	
	Arsenic	0.011	mg/L	
	Barium	0.32	mg/L	
	Cadmium	0.011	mg/L	
	Calcium	240	mg/L	
	Chromium	0.016	mg/L	
	Cobalt	0.0054	mg/L	
	Copper	0.12	mg/L	
	Iron	11	mg/L	
	Lead	0.091	mg/L	
	Magnesium	22	mg/L	
	Manganese	0.52	mg/L	
	Potassium	30	mg/L	
	Nickel	0.016	mg/L	
	Silver	0.0041	mg/L	
	Sodium	40	mg/L	
	Vanadium	0.012	mg/L	
	Zinc	1.2	mg/L	
SVOC'S	2-Methylnaphthalene	0.48	µg/L	
	2-Methylphenol	4.6	µg/L	
	3&4-Methylphenol	7.2	µg/L	
	Acenaphthene	0.81	µg/L	
	Acetophenone	0.37	µg/L	
	Anthracene	1.6	µg/L	
	Benzaldehyde	0.52	µg/L	
	Benzo(a)anthracene	2.3	µg/L	
	Benzo(a)pyrene	2.8	µg/L	

	Benzo(b)fluoranthene	3.6	µg/L	
	Benzo(g,h,i)perylene	1.7	µg/L	
	Benzo(k)fluoranthene	1.6	µg/L	
	Bis(2-ethylhexyl)phthalate	36	µg/L	
	Carbazole	1.6	µg/L	
	Chrysene	2.3	µg/L	
	Dibenzo(a,h)anthracene	0.5	µg/L	
	Dibenzofuran	0.69	µg/L	
	Diethyl phthalate	0.22	µg/L	
	Di-n-butyl phthalate	0.7	µg/L	
	Di-n-octyl phthalate	24	µg/L	
	Fluoranthene	3.1	µg/L	
	Fluorene	1.5	µg/L	
	Indeno(1,2,3-cd)pyrene	2.5	µg/L	
	Isophorone	180	µg/L	
	Naphthalene	2.4	µg/L	
	Phenanthrene	3.7	µg/L	
	Phenol	0.84	µg/L	
	Pyrene	5	µg/L	
VOC	2-Butanone	2,500	µg/L	
	4-Methyl-2-pentanone	28	µg/L	
	Ethylbenzene	6	µg/L	
	Toluene	620	µg/L	
	Acetone	13,000	µg/L	

Notes

J+ The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.

ANALYTICAL RESULTS

UNKNOWN DRUM SAMPLING

TABLE 5

DETECTIONS IN UNKNOWN DRUM SAMPLE 5678FL

Test Description	Method	Analyte	Results	RLimit	Units	Matrix
Chlorine by Bomb/Titration	ASTM D808	Chlorine by Bomb (Total Halogens)	98	98	mg/Kg	Oil
Heat Content, BTU	ASTM D240	BTU	11000	2300	BTU/lb	Oil
Ignitability (Closed Cup)	SW-846 1010A	Ignitability	<	30	°F	Oil
pH	SW-846 9045D	pH	5.47	2.00	pH at 25°C	Solid
Semivolatile Organic Compounds	SW-846 8270C	2-Fluorobiphenyl	38.6	28.1-110	µg/Kg	Solid
	SW-846 8270C	Terphenyl-d14	43.5	35.8-121	µg/Kg	Solid
	SW-846 8270C	2-Fluorophenol	48.8	24.5-110	µg/Kg	Solid
	SW-846 8270C	Nitrobenzene-d5	51.3	33.6-110	µg/Kg	Solid
	SW-846 8270C	Phenol-d5	51.8	29.6-110	µg/Kg	Solid
	SW-846 8270C	2,4,6-Tribromophenol	59.6	13.9-145	µg/Kg	Solid
Total Mercury by CVAA	SW-846 7471B	Mercury	1.4	0.38	mg/Kg	Solid
Total Metals by ICP	SW-846 6010C	Barium	0.99	0.098	mg/Kg	Solid
Volatile Organic Compounds	SW-846 8260B	Toluene-d8	102	82.7-122	µg/L	Oil
	SW-846 8260B	1,2-Dichloroethane-d4	112	66-154	µg/L	Oil
	SW-846 8260B	2-Butanone	14000	990	mg/Kg	Oil
	SW-846 8260B	4-Bromofluorobenzene	97.8	48.2-167	µg/L	Oil
	SW-846 8260B	Dibromofluoromethane	98.5	74.1-124	µg/L	Oil

DETECTIONS IN UNKNOWN DRUM SAMPLE 1234NL

Test Description	Method	Analyte	Results	RLimit	Units	Matrix
Ignitability (Closed Cup)	SW-846 1010A	Ignitability	>	30	°F	Oil
pH	4500-H B_18Ed	pH	6.75	0.1	pH Units	Aqueous
Semivolatile Organic Compounds	SW-846 8270C	2,4,6-Tribromophenol	92.4	47.8-138	µg/L	Aqueous
	SW-846 8270C	2-Fluorobiphenyl	51.6	10-110	µg/L	Aqueous
	SW-846 8270C	2-Fluorophenol	45.3	10-110	µg/L	Aqueous
	SW-846 8270C	Nitrobenzene-d5	64.3	10-110	µg/L	Aqueous
	SW-846 8270C	Phenol-d5	34.9	10-60.8	µg/L	Aqueous
	SW-846 8270C	Terphenyl-d14	67.7	16.8-110	µg/L	Aqueous
Total Metals by ICP	SW-846 6010C	Barium	0.028	0.0020	mg/L	Aqueous
Volatile Organic Compounds	SW-846 8260B	1,2-Dichloroethane-d4	98.5	74.5-132	µg/L	Aqueous
	SW-846 8260B	1,4-Dichlorobenzene	ND	10	µg/L	Aqueous
	SW-846 8260B	2-Butanone	15	10	µg/L	Aqueous
	SW-846 8260B	4-Bromofluorobenzene	104	80-120	µg/L	Aqueous
	SW-846 8260B	Dibromofluoromethane	98.6	80-120	µg/L	Aqueous
	SW-846 8260B	Toluene-d8	99.5	80-120	µg/L	Aqueous

TETRA TECH

APPENDIX C

PHOTOGRAPHIC DOCUMENTATION

TETRA TECH

Photo: 1 **Description:** Site Perimeter Fencing secure **Photographer:** Andre Baker **Orientation:** South **Date:** August 16, 2016	

Photo: 2 **Description:** Perimeter keep out signs **Photographer:** Andre Baker **Orientation:** South **Date:** August 16, 2016	

TETRA TECH

Photo: 3 **Description:** ER untarping the ACM Piles previously covered from winter **Photographer:** Andre Baker **Orientation:** West **Date:** August 16, 2016	

Photo: 4 **Description:** Northwest ACM Piles **Photographer:** Andre Baker **Orientation:** Northwest **Date:** August 16, 2016	

Photo: 5 **Description:** ACM Pile covered **Photographer:** Andre Baker **Orientation:** South **Date:** August 17, 2016	

Photo: 6 **Description:** ER removing Tarps from ACM Piles **Photographer:** Andre Baker **Orientation:** East **Date:** August 17, 2016	

Photo: 7 **Description:** ER Contractor Wetting material down while prepping the Pile for load out **Photographer:** Andre Baker **Orientation:** South **Date:** August 19, 2016	
Photo: 8 **Description:** ER contractor prepping Pile for load out **Photographer:** Andre Baker **Orientation:** South **Date:** August 19, 2016	

Photo: 9 **Description:** ER has finished load out of Pile 5 **Photographer:** Andre Baker **Orientation:** East **Date:** August 25, 2016	
Photo: 10 **Description:** ER has finished load out of loading docks that were covered by debris **Photographer:** Andre Baker **Orientation:** West **Date:** August 25, 2016	

Photo: 11 **Description:** ER has moved on to loading out RACM **Photographer:** Andre Baker **Orientation:** East **Date:** August 29, 2016	
Photo: 12 **Description:** ER prepping the trucks before load out with Poly **Photographer:** Andre Baker **Orientation:** East **Date:** August 29, 2016	

Photo: 13 **Description:** ER “burrito wrapping” the truck before leaving of site **Photographer:** Andre Baker **Orientation:** South East **Date:** August 29, 2016	
Photo: 14 **Description:** START air sampling set up **Photographer:** Andre Baker **Orientation:** South **Date:** August 29, 2016	

Photo: 15 **Description:** ER central load out Pile **Photographer:** Andre Baker **Orientation:** East **Date:** August 29, 2016	
Photo: 16 **Description:** consolidation of Piles **Photographer:** Andre Baker **Orientation:** South East **Date:** August 29, 2016	

Photo: 17 **Description:** ER prepping 2nd Pile to move to the load out Pile **Photographer:** Andre Baker **Orientation:** South **Date:** August 30, 2016	
Photo: 18 **Description:** ER Loading truck with ACM **Photographer:** Andre Baker **Orientation:** South West **Date:** August 30 2016	

Photo: 19 **Description:** Pipe chase under Pile 2 has Pipe insulation that will have to be removed **Photographer:** Andre Baker **Orientation:** South **Date:** August 31, 2016	
Photo: 20 **Description:** ER Scraping tiles found on the slab of Pile 2 **Photographer:** Andre Baker **Orientation:** South West **Date:** August 31, 2016	

Photo: 21 **Description:** Tile and mastic located next to structures that will need to be removed **Photographer:** Andre Baker **Orientation:** North **Date:** August 31, 2016	
Photo: 22 **Description:** ER scraping tile as laborer cleans up pieces for load out Pile **Photographer:** Andre Baker **Orientation:** South West **Date:** August 31, 2016	

Photo: 23 **Description:** ER digging in the large soil mound on the east side of the property for any hazardous materials **Photographer:** Andre Baker **Orientation:** East **Date:** Sept 8, 2016	
Photo: 24 **Description:** Depth of exploratory holes were dug in several locations **Photographer:** Andre Baker **Orientation:** East **Date:** Sept 8, 2016	

Photo: 25 **Description:** While Digging in Soil mound ER uncovered a 55 gallon steel drum labeled as Paint. **Photographer:** Andre Baker **Orientation:** North East **Date:** Sept 8, 2016	
Photo: 26 **Description:** Drum was wrapped in poly to make sure no contamination would occur after its disturbance. **Photographer:** Andre Baker **Orientation:** North East **Date:** Sept 8, 2016	

Photo: 27 **Description:** ER has almost completed Pile 1 RACM **Photographer:** Andre Baker **Orientation:** East **Date:** Sept 20, 2016	
Photo: 28 **Description:** Foundation for Pile 1 has been completely abated and no longer has tile or mastic on its surface **Photographer:** Andre Baker **Orientation:** North west **Date:** Sept 20, 2016	

TETRA TECH

Photo: 29 **Description:** ER continuing working on Pile 2 basement for load out **Photographer:** Andre Baker **Orientation:** South **Date:** Sept 20, 2016	
Photo: 30 **Description:** ER has completed the work for removing the debris from Pile 2 **Photographer:** Andre Baker **Orientation:** North west **Date:** Sept 21, 2016	

Photo: 31 **Description:** finished up the majority of the RACM Pile **Photographer:** Andre Baker **Orientation:** East **Date:** Sept 21, 2016	
Photo: 32 **Description:** ER looking around the parameter and gathering any ACM pieces that are seen **Photographer:** Andre Baker **Orientation:** South west **Date:** Sept 21, 2016	

Photo: 33 **Description:** inspection of Pile 6 before backfil **Photographer:** Andre Baker **Orientation:** South **Date:** Sept 26, 2016	
Photo: 34 **Description:** More Barrels were found in the large soil mound no evidence of leakage **Photographer:** Andre Baker **Orientation:** East **Date:** Sept 26, 2016	

Photo: 35 **Description:** ER breaking through cement to get to the pipe chase **Photographer:** Andre Baker **Orientation:** North East **Date:** Sept 28, 2016	
Photo: 36 **Description:** Pipe insulation that is needed to be removed **Photographer:** Andre Baker **Orientation:** North **Date:** Sept 29, 2016	

Photo: 37 **Description:** All sewer caps have poly and will be cemented shut **Photographer:** Andre Baker **Orientation:** East **Date:** Sept 30, 2016	
Photo: 38 **Description:** Site overview with Pile 6 back filled to ground level **Photographer:** Andre Baker **Orientation:** North west **Date:** Sept 30, 2016	

Photo: 39 **Description:** All drums found have been placed into a staging area covered with poly **Photographer:** Andre Baker **Orientation:** south East **Date:** October 3 , 2016	
Photo: 40 **Description:** Mastic left over on the Pile 2 foundation and the ground by Pile two **Photographer:** Andre Baker **Orientation:** East **Date:** October 3, 2016	

Photo: 41 **Description:** Mastic broken on top of slab Pile 2 and removed **Photographer:** Andre Baker **Orientation:** south East **Date:** October 5 , 2016	
Photo: 42 **Description:** Mastic broken up on the floor next to Pile 2 and removed **Photographer:** Andre Baker **Orientation:** south East **Date:** October 5 , 2016	

Photo: 43 **Description:** ER starting back fill of basements **Photographer:** Andre Baker **Orientation:** East **Date:** October 5 , 2016	
Photo: 44 **Description:** Site overview **Photographer:** Andre Baker **Orientation:** East **Date:** October 5 , 2016	

Photo: 45 **Description:** ER putting in clean cement to be buried as backfill far below ground level **Photographer:** Andre Baker **Orientation:** East **Date:** October 5 , 2016	
Photo: 46 **Description:** debris left in small 5x5ft areas will be dug out **Photographer:** Andre Baker **Orientation:** East **Date:** October 6 , 2016	

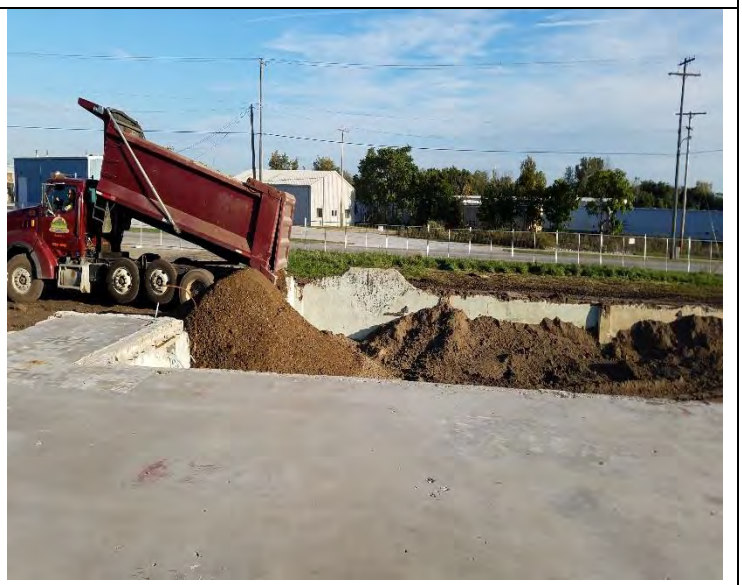
Photo: 47 **Description:** 5x5ft squares have had debris removed **Photographer:** Andre Baker **Orientation:** East **Date:** October 6 , 2016	
Photo: 48 **Description:** Backfill progress of Pile 2 **Photographer:** Andre Baker **Orientation:** North **Date:** October 7 , 2016	

Photo: 49 **Description:** Last debris area in the south east corner being loaded out **Photographer:** Andre Baker **Orientation:** East **Date:** October 11 , 2016	
Photo: 50 **Description:** Soil backfill completely used up and leveled **Photographer:** Andre Baker **Orientation:** East **Date:** October 11 , 2016	

Photo: 51 **Description:** Vac truck taking away previously tested water from Pile 6 to landfill **Photographer:** Andre Baker **Orientation:** North **Date:** October 11 , 2016	
Photo: 52 **Description:** ER smoothing out backfill to ground level **Photographer:** Andre Baker **Orientation:** North **Date:** October 11 , 2016	

TETRA TECH

APPENDIX D

FIELD LOGBOOK NOTES

2-22-16

1040 - Arrived on site w/ A. Baker (C. Burns) to Complete site meeting w/ OSC Mcguire
- Becky Hershberger w/ the city of Goshen on site, along w/ Karamida city contractor (Mike).
- walked property and identified several areas for sampling. Investigated storage sheds on-site, several Drums / pales on site.
- documented trespassing on site. while on site 2 motor vehicals were noticed on property

1215 - off-site

2/22/16 @

2.24.16 TOCON Holdings meeting

1400 - See sign in sheet
- on-phone - Amy Baker w/ trustees
- Leona Frank w/
- Jessica
- Mark
- April
- Mila
- Mike
- Christine
-

Presentation By EPA -
- Plan for site

sample, Report, action memo → Removal Discussion
- No Party has financial means to complete clean up
- contact info for Conway trucking needed
- Richard swift for Michigan truck service needed
- Discussed Assessment Approach @
- meeting Completed @ 2:30

1500 - on site - TOCON Sampling - Completed Completed H&S Briefing

1505 - sample TOCON-BK-001-022916 wht grayish pipe wrap - class 1 Friable

1510 - sample TOCON-BK-002-022916 tan floortile 12"x12" No mastic

1510 - Sample TOCON - BK - 003. - 022916
Blk mastic between 12" Floor tile, Blue gray
1510 - TOCON - BK - 004 - 022916
Blue Gray Floor tile No mastic
1515 - TOCON - BK - 005 - 022916 - Roofing material
TOCON - BK - 006 - 022916 - wood w/ mastic
1525 TOCON - grayish pipewrap TOCON - BK - 007 - 022916
TOCON - BK - 008 - 022916 Fiberboard w/ mastic
TOCON - BK - 009 - 022916 Fiberboard w/ mastic
1530 TOCON - BK - 010 - 022916 - Tile w/ mastic 9x9"
TOCON - BK - 011 - 022916 - Linolium Tile Light
TOCON - BK - 012 - 022916 - Linolium Tile Dark
1545 TOCON - BK - 013 - 022916 - cement mastic
TOCON - BK - 014 - 022916 - AirCell
1555 TOCON - BK - 015 - 022916 - gray 12x12 tile
TOCON - BK - 016 - 022916 - wht/tan 9x9 tile
TOCON - BK - 017 - 022916 - Blk 9x9 tile
TOCON - BK - 018 - 022916 - Gray 9x9 tile
1610 TOCON - BK - 019 - 022916 - Lt Linolium

1115 - START (Kleist & Cartwright) on-site Partly cloudy, 73°, no chance of rain, wind W @ 8 MPH ——— AK
1125 - START begins repairing plastic covering the asbestos containing material piles ——— AK
1200 - Large areas of the piles still exposed, it appears some of the plastic sheeting has been ripped/damaged, there may not be enough to cover entire area
1215 - START off-site for lunch
1240 - START back on-site ——— AK
1340 - START completes repairs to plastic sheeting and prepares to leave site ——— AK
1345 - START off-site ——— AK

4/18/16

Tucon Asbestos 8-16-16

Weather 80's 0-5 mph East wind Rainy

0700 Petra Tech (START) onsite with ER. going over Scope of work and H&S. — AS

0715 OSC is onsite. Today workers will be prepping the site for removal. Trailers will be coming onsite and excavators. All workers are wearing proper PPE. — AS

0740 START (Andre, Dan) walking around piles inspecting for any exposed Asbestos PACM

0818 excavator onsite. — AS

0846 excavator clearing Large brush from the site. — AS

0944 ER setting out orange Fencing to designate "hot Zone". — AS

0950 Generator arrived onsite. — AS

1000 ER clearing small brush by hand — AS

1145 excavator #2 onsite — AS

1200 Lunch Break — AS

1300 workers back on site after lunch.

1432 START mapped 6 pts for Dust tracks.

1. 41.578972, -85.816122 — AS
2. 41.578983, -85.815500 — AS
3. 41.580664, -85.816271 — AS
4. 41.580504, -85.817055 — AS

8-16-16

5. 41.580364, -85.817589 — AS
6. 41.579724, -85.817589 — AS

1527 START Lauren Foster onsite — AS

to go over Vipers program — AS

equipment #'s — AS

Batteries: BAT005, BAT004, BAT003

Dust Tracks: DRX005, DRX002, DRX004

Modem: 1B, 2B, 3B — AS

Tripods 05-TRI013 — AS

05-TRI015 — AS

05-TRI014 — AS

Computer name: Rec 6 — AS

placement DRX002 South side — AS

DRX004 west side trailer

DRX005 North side — AS

1630 going over all equipment for — AS

Breakage. — AS

1640 mock deployment of equipment DRX002.s being difficult with connecting — AS

1800 All start off site. — AS

08-16-16

Rite in the Rain

weather 80 mostly cloudy

Tocon[illegible] checks 8-17-16

0700 START (Andre, Dan) onsite with ER Staying HE safety meeting. Scope of work will continue prep of site. different equipment and PPE will be arriving onsite.

0800 workers began building more fencing Start setting up dust track North 005 and South 002 Dust track 002 would not start sampling (Andy)

0800 OSC Andy McGowan onsite.

0900 Dustrak 002 is not reading proper "0.00" or "0.00" START will call TSI when phone lines are open.

DRX 005 - model 3B North

DRX 002 - model - 2B South

1000 ERR'S building Scaffolding to Load trucks for monday

11:00 ERRS has set up fencing to delineate hot zone. workers are continuing Brush removal.

12:00 Start and ERR'S taking Lunch

1300 Back on site. Continue prep of site.

8-17-16

15:00 workers are working on Site prep Still removing brush material. Town Hall meeting will be Starting Shortly START (Dan) is setting up equipment for display in the town hall.

16:30 ERR's gathering up equipment for the day to head off Site.

17:00 START & ERRS offsite

8-17-16

[signature]

Tucson Asbestos 8-18-16

0700 START and ERR's on site. weather dense fog in the morning .5mile visibity. Temp 75° 0-5 mph North East

0730 Conducted Slope and safety meeting for the day.

0900 workers working on site prep and hosing down area.

1046 START Calibrating AirCon equipment
AC2005 = Avg Flow - 10.311 L/min
AC2001 = Avg Flow - 10.079 L/min
AC2002 = Avg Flow - 10.226 L/min
AC2004 = Avg Flow - 10.420 L/min

12:00 START and ERRS taking Lunch Break

13:00 Lunch over back on site. Replacing Dustrak 002 with unserviced new Dustrak, Serial # 8533153916 model 8533EP.

1500 Site prep complete with trailer installation, 7 Shower trailer on site.

1630 workers packing up for the day and START and ERRS off site

Cindy Rice 8-18-16

Tucson Asbestos 8-19-16

0700 START and ERRS on site

0730 Safety meeting and Scope of work discussed for the day. START has previously calibrated All equipment and placing equipment in predetermined area

0800 Air Cans are set and collecting Air Samples down wind. Dustraks are also set out collecting data

0830 ERRS is working on prepping the South ACM debris pile using proper wetting Techniques

0900 Viper computer is having difficulty

~~Backlog~~ Backlog 0800 Air Samples from Air Cans set up down wind At Locations N-a, N-1, NE

0955 Tucson OSL is onsite

1200 Lunch Break

1200 ERRS and START on site

1:10 unexpected heavy rainfall Air Can Sample compromised

14:00 START gathering Air Cans. ERRS crew continue pile prep on the South Side

Rite in the Rain

8-19-16

15:00 ERRS still working on setting up the South pile for removal on monday

15:40 workers are doffing PPE

8-19-16

[signature]

Tocan Asbestos

0700 START onsite with ERRS

0730 Saftey meeting and scope of work. Today we will be Loading trucks out of the South pile. All PPE must be worn during removal activity. START is calibrating and setting out equipment.

weather: wind direction changes 0-1 mph Partly cloudy 78°F.

Air Can Cals

AC2 005 - 10.233 - trailer

AC2 001 - 10.799 - South 3

AC2 002 - 10.084 - North 1

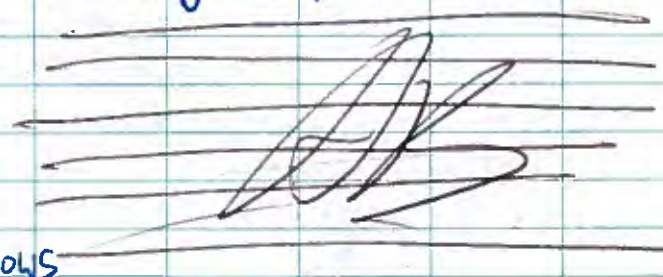
AC2 004 - 10.408 - North 2

0800 2 trucks have pulled on site. they will be Loaded 2 at a time. workers will be in 2 groups one outside to "Burrito wrap" and the other wetting debris down

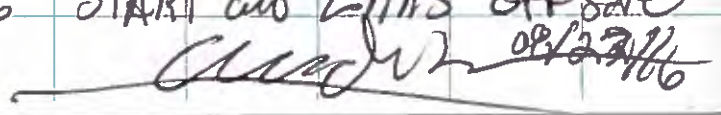
1113 Jeff OSC onsite.

Backlog: 1048 exceedence possible explanation: Mow/truck traffic, ~~onsite trucks~~ were not being Loaded

1130 Exceedence of twa total Heavy offsite truck traffic.
12:00 Trucks have Approx. 3hr TAT ERRS and START taking Lunch
13:00 START walking out side Area with PDR no Levels exceeded PEL Avg level was .04 ug/m3. All signs are intact no breaks in the chain link fence
1431 ERRS
1500 All workers are leaving out of Hot Zone doffing PPE. START Gathering Samples



End Flows
1530 AC2-005 = 9.57
1536 AC2-002 = 9.46
1538 AC2-004 = 7.83
Stopped estimated Time 1400, End Flow 9.93
1630 START and ERRS offsite



TOCON Asbestos 8-23-16
0640 START (DN + AB) on site
ERRS on site
START set up @ 3 air monitoring locations - N2, S2, W2 using Dust Tracks + Air Con set
0700 Safety meeting + SOW
Loading Trucks at South pile (wood pile) - same as 8-22-16.
- EPA on site (Jeff)
- Level C PPE must be donned in work zone.

0745 Loading trucks (3 trucks total)
START calibrating Air Con Units

Air Con calibrations

	Avg start	Avg finish
AC 001 @ NE	10.107	
AC002 @ W2	10.315	
AL005 @S2		

- using TEM cassette filters for Air Con

DUST TRACKS
Line 1 - N2
Line 2 - S2
Line 3 - W2 (Trailer)

TOCON Asbestos 8-23-16

1010 2nd round of trucks being loaded

1142 Crews wetting down South pile as excavators rearrange pile for easier Load out

1205 3rd Set up Trucks being loaded

• ERRS using placard "2212" on trucks for transport & disposal @ Prairieview Landfill in Wyatt, IN.

1316 START walk around perimeter with PDR to check dust levels — Levels range from 0.7 to 19.3 ug/m³ — Elevated readings likely due to heavy volume of truck + commuter traffic along E. Monroe St.

TOCON Asbestos 5-10mpH 8-24-16

weather high of 80° variable wind direction Partly Sunny Rain expected by noon.

0630 onSite Calibrating and setting out equipment

PRX N1 Line 2 ~~XXX~~

DRX N2 Line 1 ~~XXX~~

DRX W2 Line 3 ~~XXX~~

Aircons ~~XXX~~

N1 002 Flow 0.16

N2 Aircon 002 Flow 0.35

SW Start 747 Flow 0.34

W2 005 Flow 0.25

0700 trucks have arrived and are ready to be loaded at 8am

0800 Trucks are now being Loaded properly lined and Loaded.

1037 START walking around checking pumps. Pump ____ batteries are bad or did not charge. Removing Pump from Area. (Aircon)

weather wind picking up more clouds

1037 Coming Through.

1200 due to weather START pulling Aircons 2 Aircons Batteries held no charge

12:30 START walking parameter with PDR no levels approach PEL.

14:12 Rain is coming down hard work will stop continue no lightning started yet

14:30 excavator was out for maintence/Repair to new bulk on Site.

14:30 PDR Readings are under PEL Loading operations are causing no/minimal dust due to engineering Controls.

15:30 Rain has stopped ERRS will go back to wetting down material as trucks come

16:00 START Gathering Dustiraks and headed to shop Samples

16:30 START and ERRS headed off site

8-24-16

TOCON Asbestos 8-25-16

Weather 70.9° High 80 Scattered thunderstorms wind out of South Southwest

06:30 onsite currently raining START has set out dust traks but will not sample until rain is gone.

07:30 ERRS prepping Site for removal the Scope for today is to finish the South pile

09:00 START walking with PDR No Elevated Levels noted

10:00 START Calibrating Aircons And Setting them in Location W2 W2 N1 NE

11:00 Dustitrak 1 w 2 is having false readings

12:00 START and ERRS Taking Lunch break

1:00 Trucks back for final time South pile almost completly Removed.

2:00 ORX 002 Shipped off due to Pump failure

3:00 Workers have finished up with the South pile. Workers prepping for Friday.

4:00 START Removing and ending Air Sampling

4:30 START and ERRS off Site.

8-25-16

Town Asbestos 8-26-16

0630 START and ERRS on Site for Safety and Scope of work meeting. START Setting out equipment. The Dust truck with Line 2 will be trouble shot today due to False ~~Exceedence~~ readings. ERRS will begin Prep of RACM piles.

0730 All equipment is calibrated and Set out.

0740 START having trouble with Viper Computer reading Error messages.

weather partly Cloudy high 84°
0-5 mph wind variable direction

0800 workers are prepping the Large North pile for Load out ~~Start~~ Starting monday RACM.

0900 START walking around Site and checking equipment

1000 START trouble Shooting Dust truck that has Line 2

BCow 8-26-16

1230 START Viper program having issues with connetivity possibly due to internet connection.

1450 Dust 002 that was sent off was damaged in shipping process.

N1

Flow		Time
10.29	start	0709
7.34	stop	1514

#022

W2 — #023

		Flow
start	0732	10.54
stop	1504	9.50

SW — #021

	Flow
0724	10.60
1503	9.42

S1 — #024

	Flow
0720	10.57
1530	6.43

FB-025 (field blank)

TxON 8/29/16

0630 START onsite calibrating and setting equipment into place

0700 Health and Saftey meeting

Weather Foggy early, becoming sunny High 87°, winds S to 6 mph East

0730 workers are lining trucks for Load out

0900 Line 1 N1 has been getting High reading. START walking around to see what issue is. ERRS worker had stopped using water hose to work somewhere else. Situation has now been corrected.

1030 2nd round of trucks on site. Crews are lining the trucks before they let them Load. wrapping after Load is complet still in the hot zone

1130 START walking around site with PDR no excedences were noted.

1310 START walking around with PDR after Alarm went off
[illegible]

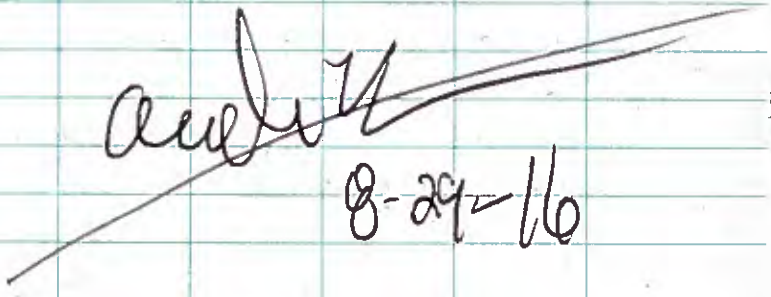
TOCON 8-29-16

1530 START Gathering Air Con equipment before batteries get Low. The Last truck headed out for the Landfill workers are Taking a break then rearranging the piles for Load out tomorrow

1630 workers are coming out of Hot Zone and will continue work on Pile 3 and Pile 4 tomorrow

Aircon	Dust Trakks
004 - W2	LwL1 - N1
001 - W1	LwL2 - (Lowland)
002 - SW	LwL3 - W1
005 - N1	

1700 START and ERRS Headed offsite



8-29-16

TOCON 8-30-16

0630 START onSite Calibrating equipment and Setting out in designated areas

0730 START has deployed all equipment.

0830 ERRS Started moving piles 3 and 4 for Loadout Alum has been Hydroseeded

Weather Partly Cloudy, Scattered showers 68 - 84°F 60% chance of Rain Light 0-5 wind variable direction

1030 Tetra Tech walking around with The PDR No Elevated data was noted by The PDR

1130 Trucks Avg Time in to Time out is around 30-40 mins

1230 START Stopping and Covering up Aircons due to rain possibly restart After Rains Lags

1320 Uncover Air Con Units + restart due to weather clearing.

TOCON 8-30-16

Air Con	Location
001	SW
004	W1
002	N1
005	W2

Dustrak	Line
N2	.1
W2	.2
W1	.3

* ERRS loaded 11 trucks on 8-29-16 for total of 229 T.

1434 ERRS wetting down site drive areas to control dust

1554 Begin taking down air con units

1631 Prep paperwork COC, Fedex for sample shipment

1643 START to FedEx (DIN)

1649 START (AB) secure equipment + trailer

1700 START OFF SITE FOR DAY.

ON

TOCON 8-31-16

0626 START on site
- H+S Tailgate

0631 Begin setting up Dustraks to Air Con Units

weather: 69° cloudy, foggy
Wind - North, 2 mph

0644 ERRS Prepping site for loadin
- wetting piles with 2 firehoses
- Lining trucks with poly sheeting (double lining)
- Loading Piles 3 + 4 today

Air Con	Location
001	N2
002	W2
004	S2
005	SW

Dustrack	Line
[redacted]SW	.1
W2	.2
N2	.3
—	—

0849 START walk perimeter check air units - screen with PDR unit

0939 2nd round of trucks entering - 4 trucks running today

1031 START enter zone to check on suspect ACM orange tiles near Pile 1 + 3 per OSC.

TOCON 8-31-16

1211 START walk perimeter
- crew on lunch break

1229 3rd Round of trucks beginning

1430 ~~Dust track~~ Air Cons Slowing down START will Pull Samples Shortly Rain is also on the way. While walking with the PDR No Elevated Dust particulates were noticed.

1449 START stop air cons for day — heavy rain starting

1506 Calibrate flow rates on AC's

1527 Complete daily paperwork

1546 Prep samples/COC for fed ex

1628 START Take down dust trak units + pack up for charging

1648 START to fed ex

1700 ERRS + START offsite for day.

TOCON 9-1-16

0628 START on-site Set up Dust traks + Air Con Units @ perimeter locations + trailer
- ERRS Prepping for truck loading from piles 3 & 4

0725 ERRS Lining trucks with poly sheeting. Prepping piles

0729 START Baker offsite to office and to drop off Air Con battery @ EPA willowbrook warehouse.

0852 ERRS prepping Pile 1 Area with excavator now [START Troubleshooting VIPER program with new laptop]

1304 AC, indicated watch shift in the wind — may have to move equipment around.

1515 ERRS done loading trucks for the day. Prepping pile.

1525 START begin collecting Air Con samples + taking down equipment

1615 START complete COC

1635 START PREP EQUIP. + Fed EX

1650 START OFFSITE to ~~Fed~~ EX.

TOCON 9-2-16

0624 START on site. Begin set up of Dustraks + Air Cons in exclusion zone

0630 ERRS conducting Safety mtg.

0645 ERRS begin prepping trucks

0720 ERRS begin loading trucks @ Pile 2 + 3 Area. "Level C" PPE inside exclusion zone.

Weather: sun 60's-70's. No wind currently. 0-5 MPH NNE wind later today expected.

0840 First Round of Trucks done loading (4 trucks)

0854 Total TVA alarm @ SZ location on Dustrak — START checked out area — a resident is mowing with riding lawnmower in the area — likely causing elevated levels @ SZ.

0929 Second round of trucks beginning

1057 Walk perimeter with PDR — No significant readings

1201pm 3rd round of trucks

* ERRS is using 6 mil poly sheeting (40'x100') to line each truck.

TOCON 9-2-16

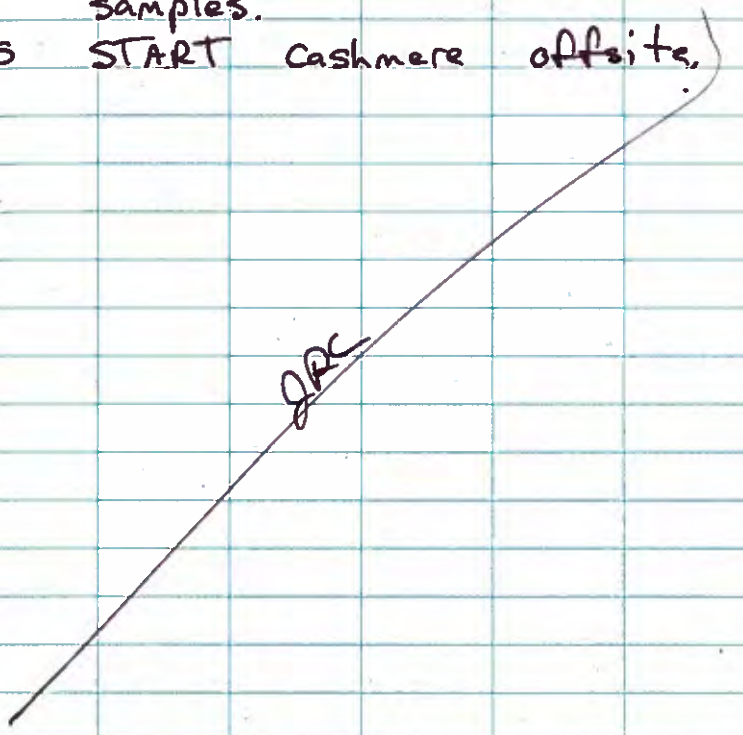
1402 ERRS prepping pile 4 for load out on Tues. 9-6-16

1449 START walk perimeter with PDR — no significant elevated readings — wind picking up toward south more.

1527 START packing up equipment

9/6/16 TOCON
Goshen, IN USEPA
Weather: 72°, ↑89° ↓70°, winds S 8mph, 29.21" Hg, humidity 84%
0600 START Cashmere onsite, setup equipment at locations N2, W2, SW, & S2.
0630 ERRS onsite.
0700 Tailgate safety meeting. SOW for day - running 2 trucks & will work on adding debris to stockpile. Will begin moving & cleaning up debris from eastern most corner of site.
0745 Lining trucks w/ poly & loading trucks.
0800 First load in 2 trucks is away, VIPER deployed.
0845 Total TWA alarm @ location S2. Offroad dump truck onsite.
1015 2nd load being loaded into trucks, ERRS lining & loading trucks.
1045 Dust traks @ location S2 & W2 high total TWA alarm.

9/6/16 (cont.)
1300 OSC McGuire onsite. 3rd load trucks, ERRS lining & loading trucks. Dust trak @ location S2 high total TWA alarm.
1600 Collect samples / pack up equipment. OSC McGuire offsite.
1630 START Cashmere process samples.
1715 START Cashmere offsite.



9/7/16 TOCON
Goshen, IN USEPA
Weather: 74°, ↑89°, ↓73°, winds SW 9mph, 29.17" Hg, 87% humidity

0600 START Cashmere onsite. Setup equipment @ locations N2, W2, SW, S2.
0630 ERRs & trocks onsite.
0700 ERRs conducts H&S meeting.
0745 ERRs lining & loading 1st round of trucks from pile F3.
0815 1st round of trucks to landfill. OSC McGuire onsite. Spraying water for dust suppression. Will add area surrounding S2 due to high TWA levels.
0940 ERRs lining 2nd round of trucks.
1020 Trucks departing for landfill.
1200 ERRs lining 3rd round of trucks. Dust suppression in staging/loading area.

9/7/16 (cont.)

1440 ERRs lining 4th round of trucks & traveling to landfill.
1600 START Cashmere & Baker shutdown equip. & collect samples.
1700 START Cashmere & Baker offsite to FedEx.

JRC

9/8/16 Tocon
Goshen, IN USEPA
Weather: 76°, ↑83°, ↓71°, light rain, winds SW 6 mph, 29" Hg, humidity 87%.

0615 START Cashmere & Baker onsite, moderate rain will not set up air cons for the time being.

0715 1st round of trucks onsite, lined, loaded & transport waste to landfill.

0745 OSC McGuire onsite.

0845 START Baker collecting asbestos confirmation samples from below removed debris piles in soil.

0930 Mini-excavator delivered to site.

0955 2nd round of trucks onsite, lined, loaded & transport waste to landfill.

1215 3rd round of trucks onsite, lined, loaded & transport waste to landfill.

9/8/16 (cont.) 1

1400 START Baker collecting sub-excavation samples. Unknown drum, organic odor, is covered with poly. Under vegetated pile ~7-8' deep.

1700 START Cashmere & Baker shut down Dust Traks.

* No PCM or TEM samples today due to rain. *

1730 START Baker & Cashmere offsite.

9-9-16 TOCAN

weather Cloudy dense fog high 81°F winds South S to 10 mph

630 START onsite Setting out and Calibrating Air Cans and dustraks

0700 background from 10A Particle measurements all higher than PEL at 1.6 ug/m3

0730 Trucks being used

0900 ERRS working on prep work for the Load out pile.

0930 START walking Site for any asbestos debris that had been recently been uncovered

1230 ERRS working on prepping piles while trucks are offsite. There is a pit next to pile 5 and pile 6 that has debris that will be getting removed to the Load out pile.

9/12/16 TOCON

Goshen, IN USEPA

weather: 70°, clear, ↑77°↓62°, winds SSE 8 mph, 29.28" Hg, humidity 56%.

0600 START Cashmere onsite, setup dust traks + air con equipment.

0630 ERRs onsite.

0645 1st round of trucks (2) onsite for 1st load to Prairie View landfill. ERRs tarping trucks + lining. Excavating debris from loading dock near fmr. Pile #5 area.

0730 1st round of trucks departs for landfill.

0900 2nd round of trucks onsite, loaded, lining, + ready for debris.

0930 2nd round of trucks depart for landfill.

1145 3rd round of trucks onsite for load, t+d to landfill. ERRs continuing to excavate in vicinity of pile #5. OSC McGuire onsite.

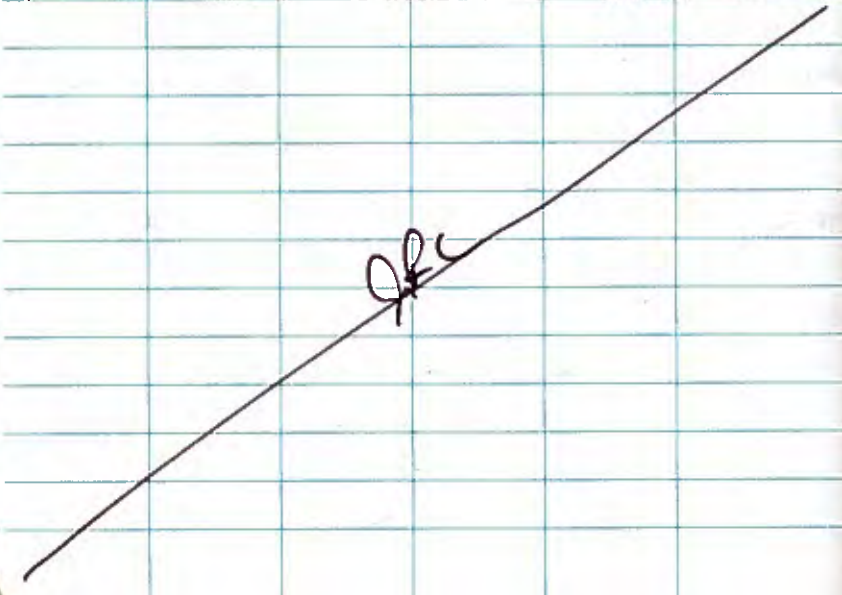
9/12/16 (cont.)

1200 ERRs spoke with Nipsco (electric co.) regarding date of service, will be 15th or 16th due to pole/transformer replacement + utility locates.

1430 4th round of trucks departs for landfill.

1530 START Cashmere collects product sample + backfill sample - TPA-PILE9-091216. IDEM onsite.

1730 START Cashmere offsite.



9/13/16 TOCON

Goshen, IN USEPA

Weather: 54°, clear, ↑81°, ↓54°, wind 0mph, 29.20" Hg, humidity 90%

0620 START Cashmere onsite, setup dust traks, aircons.

0630 ERRs onsite.

0645 OSC McGuire onsite.

0700 ERRs conducts H+S meeting, scope for the day.

0710 1st round of trucks (2) onsite.

0730 ERRs excavating basements + pits in Pile #1 area, consolidating stockpile.

0930 2nd round of trucks onsite, lined with poly, loaded, + depart.

1150 3rd round of trucks onsite, lined with poly, loaded, + depart.

1430 4th round of trucks onsite, lined with poly, loaded, + depart.

1500 ERRs beginning to break

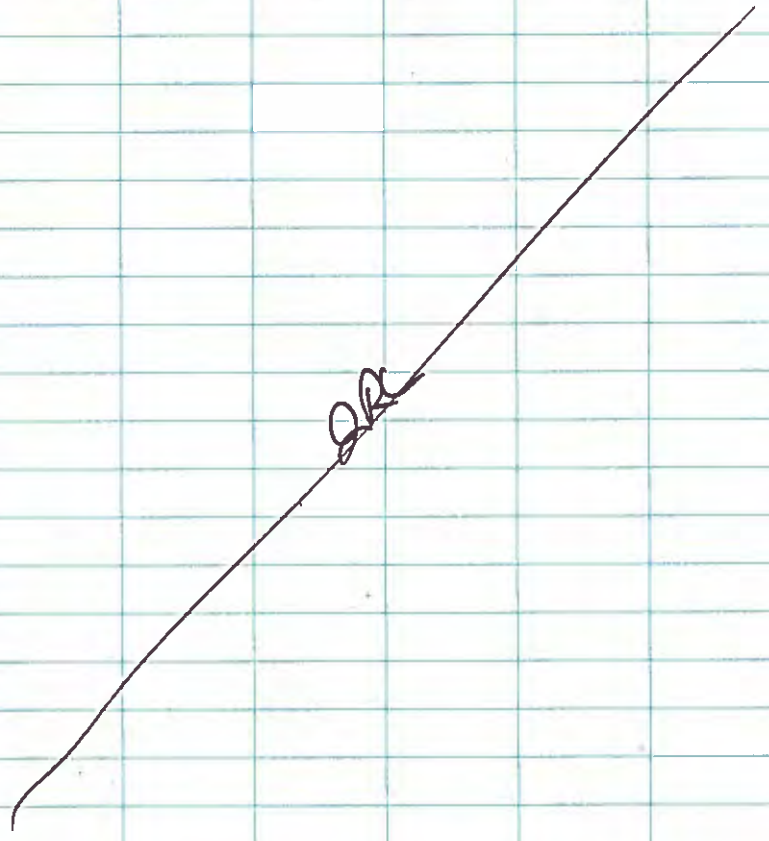
9/13/16 (cont.)

concrete in Pile #2 area with hoe ram.

1530 OSC McGuire offsite.

1600 START Cashmere shut down V:PER, collect samples, break down equipment.

1730 JRC offsite to FedEx.



9/14/16 Tocon

Goshen, IN USEPA

weather: 67°, patchy fog, ↑75°, ↓62°, winds N 6 mph, 29.30" Hg, humidity 87%

0630 START Cashmere onsite, setup aircons & Dust Traks. 3 trucks onsite for 1st round of T&D to landfill.

0645 ERRs onsite loading, lining trucks. ERRs continuing to excavate debris in Pile #1 basements & break concrete with hoe ram in Pile #2 area.

0930 2 trucks back onsite for 2nd load, 3rd truck has flat tire.

1100 Scrap metal hauler onsite to load scrap metal. START Cashmere walk site to scope work progress at Pile #1 & Pile #2, aircell pipewrap, tile, & mastic at eastern portion of Pile #2

9/14/16 (cont.)

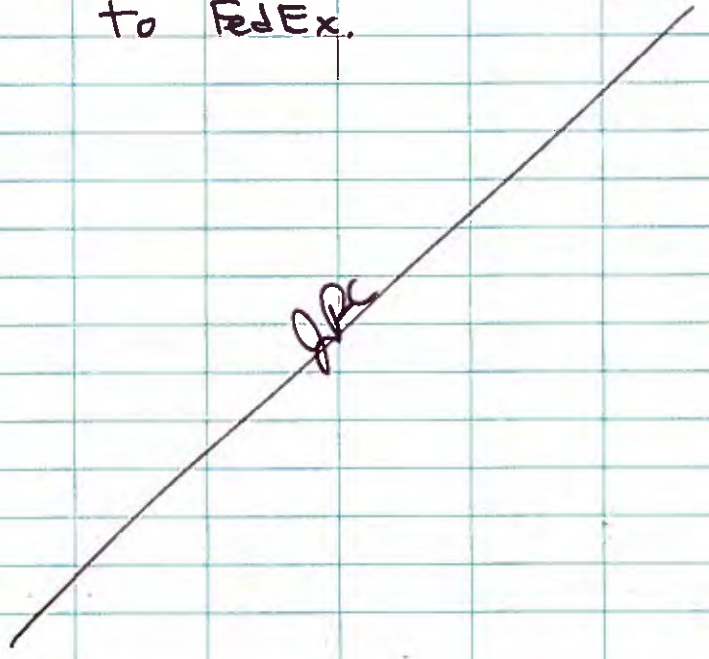
area. Black mastic observed in debris of Pile #1.

1200 3rd load of trucks depart for landfill.

1400 4th load of trucks depart for landfill.

1430 START collects TPA-PILE6-091416 surface water sample from pit near Pile #6.

1605 START Cashmere offsite to FedEx.



9/15/16 TOCON
Goshen, IN USEPA

Weather: 71°, clear, ↑76°, ↓61°, winds E 7 mph, 30.27" Hg, 54% humidity.

0630 START Cashmere onsite, setup air con equipment, dust traks.

0700 1st round of trucks (3) being lined, loaded, & t+d to landfill.

1000 2nd round of trucks onsite being lined & loaded for t+d to landfill.

1200 3rd round of trucks onsite being lined & loaded for t+d to landfill.

1430 4th round of trucks onsite being lined & loaded for t+d to landfill.
ERRs continuing to excavate debris in Piles #1 & 2.

1630 START Cashmere collect samples & shut down equipment.

1700 START Cashmere offsite.

9/16/16 TOCON
Goshen, IN USEPA
Weather: 57°, clear, ↑79°, ↓56°, winds SE 6 mph, pressure 30.09", humidity 80%.

0630 START Cashmere onsite. Setup dust tmlks & air cons.

0700 ERRs onsite, begin loading 1st round of trucks.

0800 START, ERRs, OSC Faryan conduct site walk. OSC questioned cleaning of loading dock corners- sample vs. visually inspect. Progress continues excavating basements in Pile #1 & Pile #2 areas.

0930 2nd round of trucks onsite, lined, loaded, & ready for t+d to landfill.

1215 3rd round of trucks onsite lined, loaded, & ready for t+d to landfill.

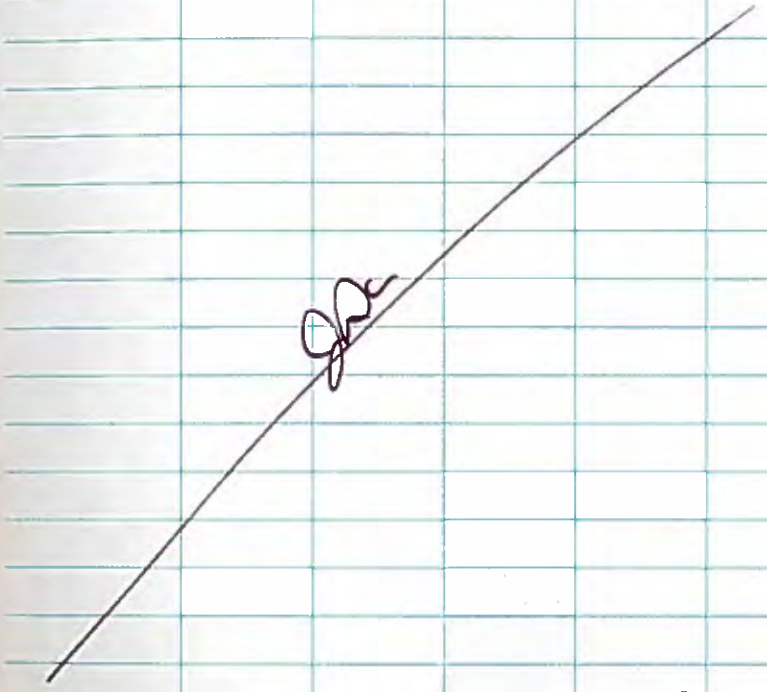
1230 Call from CT Labs, did not recieve sample until today, temperature over, will resample on 9/19/16.

9/16/16 (cont.)

1400 4th round of trucks, lined, loaded & ready for t+d to landfill.

1515 START Cashmere & OSC Faryan break down equipment, end Viper run.

1600 START Cashmere offsite.



9/19/16 TOCOW

Weather Sunny high of 80F winds variable

0630 START Arrived on Site met with ERRS contractor for tail gate meeting. A water Sample will be taken again. TPA-PILE6-09/19/16 START will personally drop off Sample in Holland Michigan.

0645 START Setting out Air cans in Areas N2, N1 Due to proximity of work area other dust trucks did not change START is trouble shooting Pack, (009) (712) (608) (711).

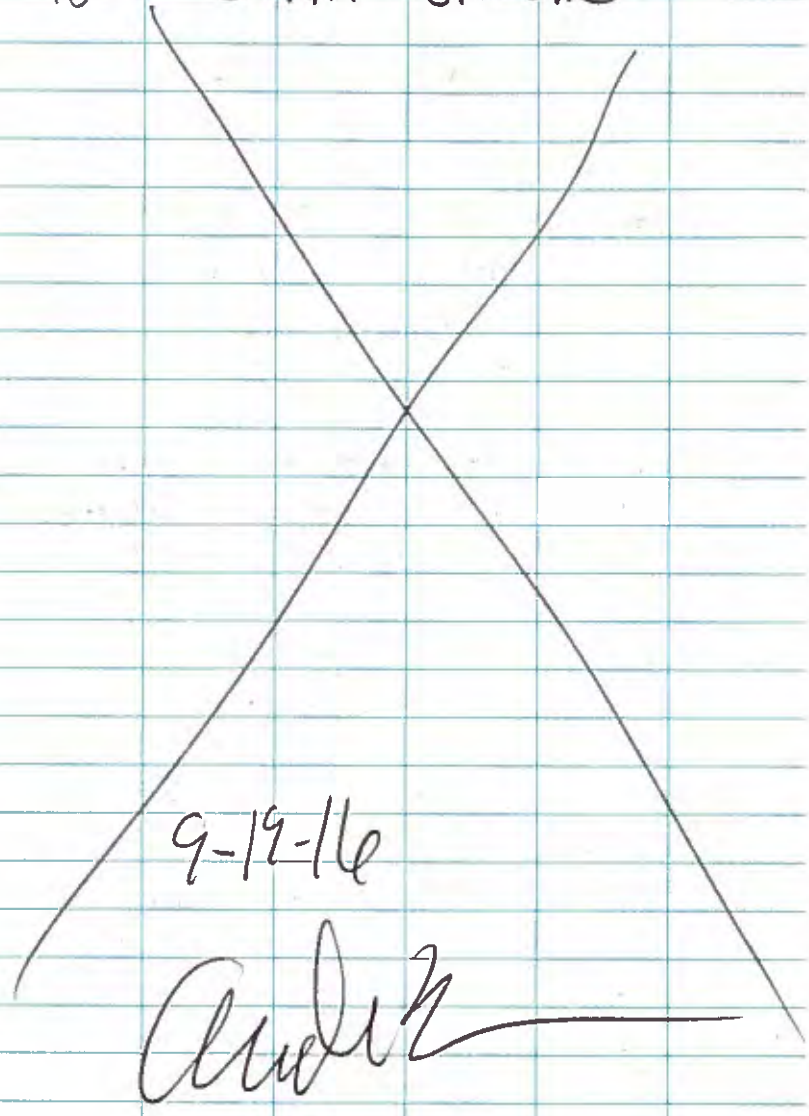
0800 Dust tracker were set up and user has been Cautioned

1000 All workers are wearing proper PPE using proper welding techniques

1200 Trucks are being Loaded out again with Lining on the bed

1300 TetraTech pulled water Sample earlier and will be driving to the Lab in Holland Michigan START pulling PCM Sample Leaving dust trackes.

1310 START off Site



9-20-16

0630 START on Site Setting out Dust tracks and Aircans. Some Batteries were not fully charged.

Weather Clear/partly cloudy high of 80°F winds are variable Aircans are set AT Areas N2, N1, SW, W2 Dust tracks W2, SW, N1

0730 Trucks are on Site (3) and ready for poly liner

0830 All trucks have been prepped and Loaded. Workers are prepping piles for the next Load out

0930 2nd set of trucks has just arrived workers are lining the trucks with poly.

1000 Hit on dust track START walking with PDR to locate Source.

11:00 Start using Extension Wand instead of Batteries

1130 3rd round of trucks being poly Lined

1400 Dust track 2 has been getting Hits. Most likely from Tower and

9-20-16

Car traffic due to close proximity to the road.

1412 4th round of trucks being Loaded out

1430 START checking equipment and work procedures All workers are wetting material before it is either moved or Loaded minimizing dust

1600 START preparing to gather PCM Samples for the day to make the drop box time

1630 All Samples are Collected and All Aircans have been taken down and sent on Change

1700 Crews are finishing up prep for tomorrow START gathering dust tracks and heading off to drop Samples

9-20-16

Rite in the Rain

9-21-16

0630 START on Site Setting up and distributing Aircard and Dust trakks. Weather is mostly sunny high of 80°F winds out of the South 0-5 mph

0730 Truck are being lined with Poly and Loaded out for the first 3 truck Runs

0930 workers taking a break and will Continue pile prep after break

0930 2nd Round of trucks has entered Site

0930 Operator will Continue moving and pulverizing debris to the Load out pile from pile 2.

1030 CT (EnSL) Notified START that A FB was not in with the Samples. The FB will be taken off the CoC

1200 Trucks have all been lined waiting to be filled

1400 START walking Site checking All air monitoring Equipment PDR Readings are not above DEL

1600 START will Start collecting Sample shortly for PCM0 All Trucks are Loaded for The day EARS Stacking Debris for tommorow.